Cancer Vaccine

*296 SHRI RAVULA CHANDRA SEKAR REDDY Will the Minister of HEALTH AND FAMILY WELFARE be pleased to state

(a) whether a multi use vaccine to fight different forms of cancer is likely to hit the market shortly, and

(b) if so, the name of the vaccine, its price and the types of cancer to be treated by this vaccine?

THE MINISTER OF HEALTH AND FAMILY WELFARE (SHRIMATI SUSHMA SWARAJ) (a) and (b) According to the Indian Council of Medical Research (ICMR), at present there are two approaches for development of cancer vaccines-(i) preventive (ii) immuno-therapeutic Vaccines such as Heptitis 'B' virus and Human Papiloma Virus (HPV) vaccine which may prevent the infections that may cause liver cancer and cervical cancer respectively can be classified as preventive in nature The immuno-therapeutic cancer vaccine may enhance the immunity in *cancer patient and help in containing the disease The Hepatitis 'B' vaccine* is already available in the Indian market and HPV vaccine is undergoing clincial trails in USA and other countries Clinical trial of this vaccine is also likely to be undertaken in India The immuno-therapeutic vaccines being developed in USA and other countries are in the developing stages and are required to undergo regulatory mechanisms preceding they could be put to human use Further, such cancern vaccines developed by other countries are required to follow the regulatory mechanism of Drug Controller General of India {DCG(I)} before they could be used for cancer management in the country There are no multi-use vaccines to fight different forms of cancer, which are likely to come in the market in India shortly

Trade with USA

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Will the Minister of COMMERCE AND INDUSTRY be pleased to state

(a) whether India's trade with US has increased steadily during the past five years,